



# United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



IN REPLY REFER TO: MT-450

September 15, 2011

## **FAXOGRAM: Water Order Change**

To: Chief, Power Supply and Billing Division, WAPA, Watertown, South Dakota  
Attention: F-6001  
Chief, Power Dispatching Branch, WAPA, Loveland, Colorado  
Attention: J-4120  
Facilities Manager, Hardin, Montana  
Attention: MT-300: Tom Tauscher  
Project Manager, Mills, Wyoming  
Attention: WY-4000, WY-4100, WY-6400  
Assistant Superintendent, National Park Service, Lovell, Wyoming  
Attention: Valerie Newman

From: Reservoir and River Operations, Billings, Montana

Subject: **Yellowtail Water Release Order - BHR No. 11-94**

### **CURRENT RESERVOIR CONDITIONS (September 15, 2011; 11:00 a.m.)**

Elevation: 3641.03 Storage: 1,033,737 acre-feet; River Release: 3,800 cfs; Inflow: 2,870 cfs;

### **GENERAL COMMENTS:**

A Contractor will be performing maintenance and refurbishment of the canal and river sluice gates on the Yellowtail Afterbay Dam. To assist the Contractor, the level of the Afterbay must be maintained no lower than elevation 3184 to adequately release all water through the radial spillway gates. Also, during the inspection and maintenance of the Yellowtail spillway tunnel and spillway stilling basin, the level of the Afterbay must be maintained no higher than elevation 3190. In response, the following operation changes are required at Yellowtail Dam and Powerplant.

### **YELLOWTAIL TURBINE RELEASE:**

**At 1200 hour on Monday, September 19, 2011:**

*Maintain average daily turbine release at 3,580 cfs ( $\approx$  2,685 MW-Hrs/day using 32.0 cfs/mw).*

### **AFTERBAY RELEASE AND OPERATION:**

**At 1200 hour on Monday, September 19, 2011:**

*Maintain diversions to the Bighorn Canal at 150 cfs (gage height = 72.53 with -0.82 shift).*

*Maintain river release at 3,500 cfs (gage height = 61.55 with -0.81 shift).*

*Maintain total release from the Afterbay at 3,650 cfs.*

### **SPECIAL AFTERBAY OPERATION REQUIREMENT:**

**During 0700 hour, Wednesday, September 14 through 1700 hour, Wednesday, October 5, 2011:**

*Maintain the level of the Afterbay no lower than elevation 3184 and no higher than elevation 3190 during the inspection and maintenance work on the spillway tunnel and stilling basin..*

/S/ Tim H. Felchle